

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN121821\
 Data File : VN070223.D
 Acq On : 18 Dec 2021 19:26
 Operator : JC/MD
 Sample : M5044-14 10X
 Misc : 6.06g/10mL/100uL/5.00mL/MSVOA_N/MEOH
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 DA-14-4.5

Quant Time: Dec 19 08:50:18 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N120221W.M
 Quant Title : SW846 8260
 QLast Update : Fri Dec 03 08:46:47 2021
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

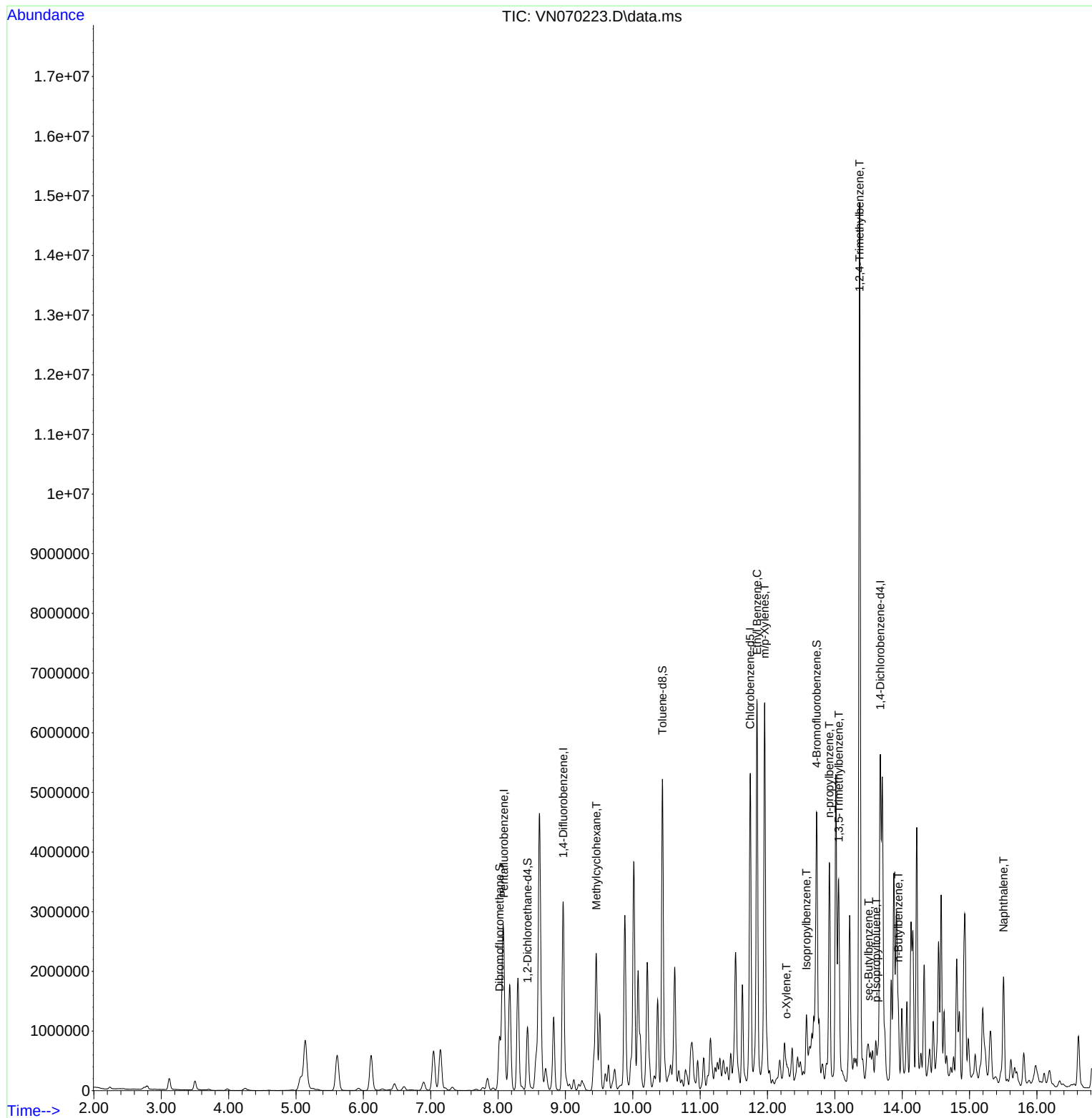
Internal Standards						
1) Pentafluorobenzene	8.086	168	1186248	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.968	114	2206664	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.744	117	2715331	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.675	152	1312950	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.437	65	905502	49.44	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery =	98.88%		
35) Dibromofluoromethane	8.021	113	633355	45.82	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery =	91.64%		
50) Toluene-d8	10.440	98	3032888	54.65	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery =	109.30%		
62) 4-Bromofluorobenzene	12.731	95	1477818	73.50	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery =	147.00%#		
Target Compounds					Qvalue	
39) Methylcyclohexane	9.459	83	554173	22.18	ug/l #	78
67) Ethyl Benzene	11.843	91	4454828	44.52	ug/l	96
68) m/p-Xylenes	11.958	106	1350052	37.06	ug/l	92
69) o-Xylene	12.280	106	39544	1.08	ug/l	98
73) Isopropylbenzene	12.578	105	687547	5.89	ug/l	97
78) n-propylbenzene	12.918	91	2887822	22.22	ug/l	95
80) 1,3,5-Trimethylbenzene	13.058	105	1228712	13.07	ug/l	99
84) 1,2,4-Trimethylbenzene	13.366	105	8233125	91.95	ug/l	98
85) sec-Butylbenzene	13.500	105	301984	2.67	ug/l #	60
86) p-Isopropyltoluene	13.616	119	134715	1.53	ug/l	96
89) n-Butylbenzene	13.943	91	813913	11.37	ug/l #	72
95) Naphthalene	15.504	128	1545896	26.16	ug/l	100

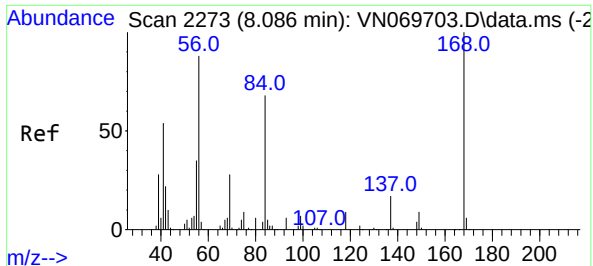
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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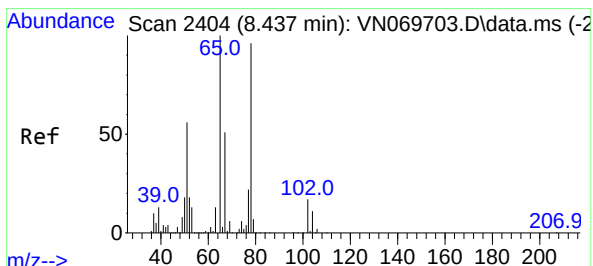
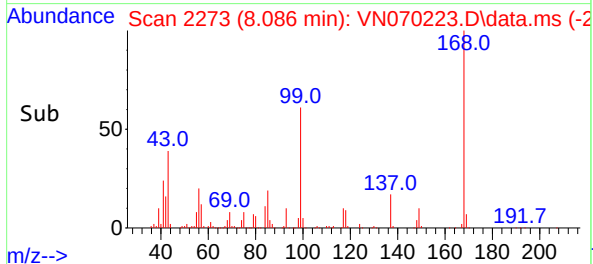
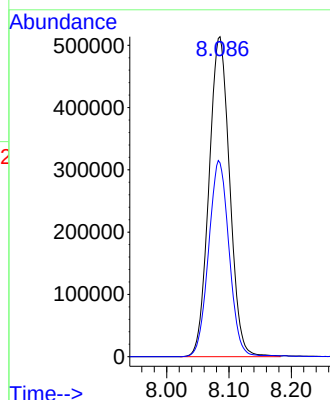
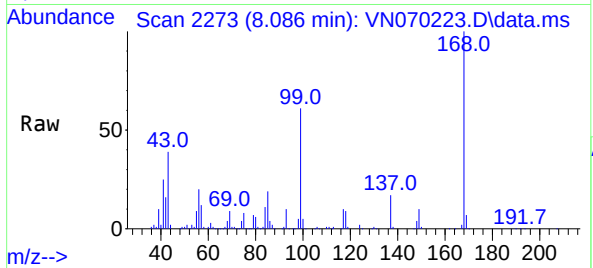




#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 8.086 min Scan# 21
Delta R.T. -0.000 min
Lab File: VN070223.D
Acq: 18 Dec 2021 19:26

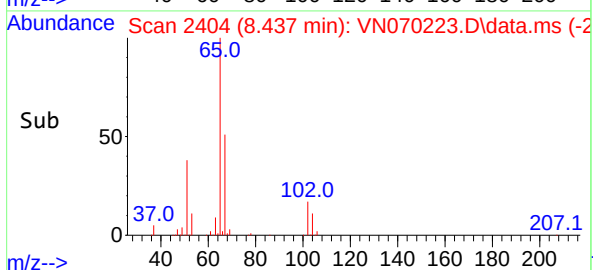
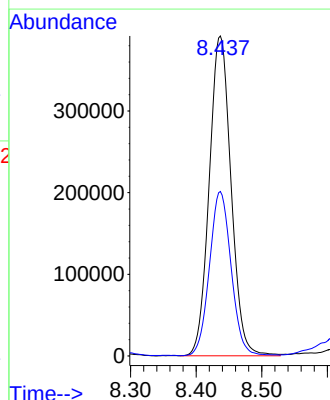
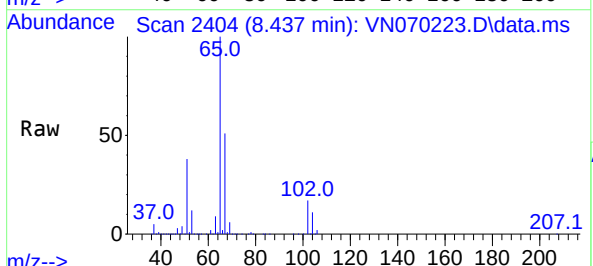
Instrument :
MSVOA_N
ClientSampleId :
DA-14-4.5

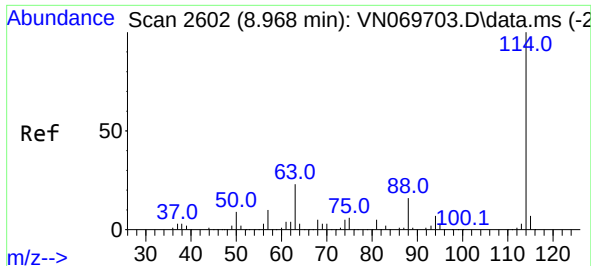
Tgt Ion:168 Resp: 1186248
Ion Ratio Lower Upper
168 100
99 60.6 41.3 61.9



#33
1,2-Dichloroethane-d4
Concen: 49.44 ug/l
RT: 8.437 min Scan# 2404
Delta R.T. 0.000 min
Lab File: VN070223.D
Acq: 18 Dec 2021 19:26

Tgt Ion: 65 Resp: 905502
Ion Ratio Lower Upper
65 100
67 51.0 0.0 103.0





#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 8.968 min Scan# 2

Delta R.T. -0.000 min

Lab File: VN070223.D

Acq: 18 Dec 2021 19:26

Instrument :

MSVOA_N

ClientSampleId :

DA-14-4.5

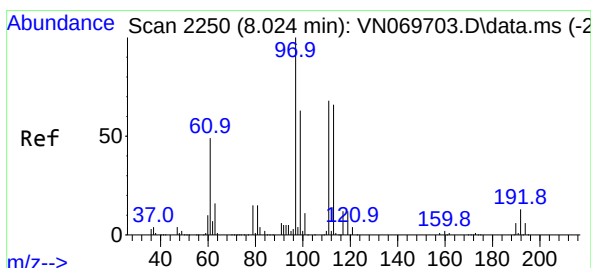
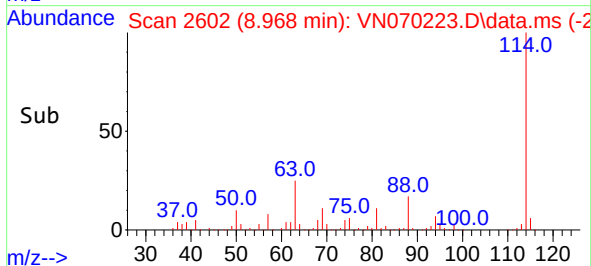
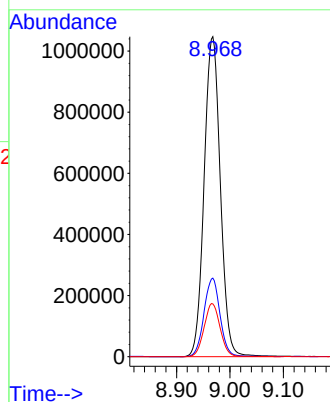
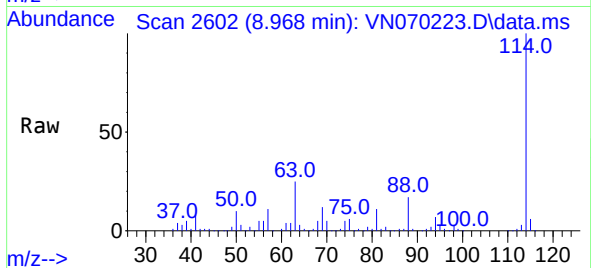
Tgt Ion:114 Resp: 2206664

Ion Ratio Lower Upper

114 100

63 24.6 0.0 37.8

88 16.5 0.0 27.4



#35

Dibromofluoromethane

Concen: 45.82 ug/l

RT: 8.021 min Scan# 2249

Delta R.T. -0.003 min

Lab File: VN070223.D

Acq: 18 Dec 2021 19:26

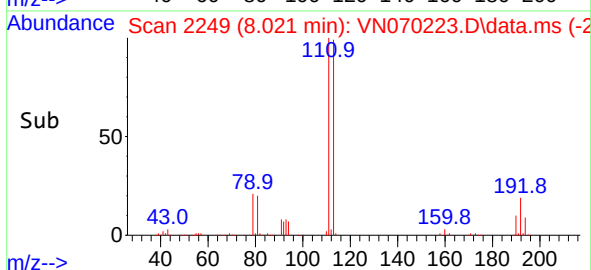
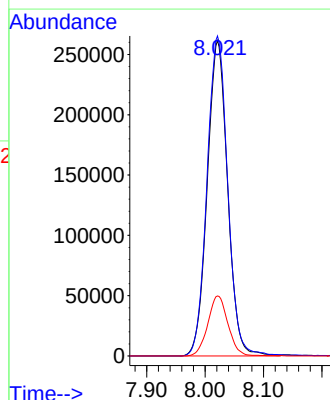
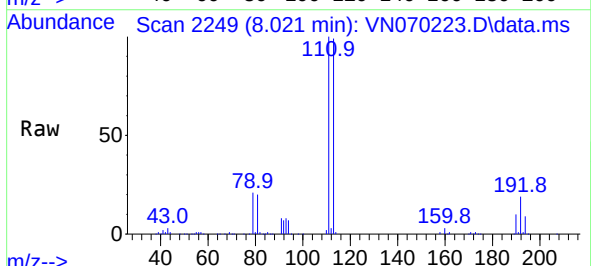
Tgt Ion:113 Resp: 633355

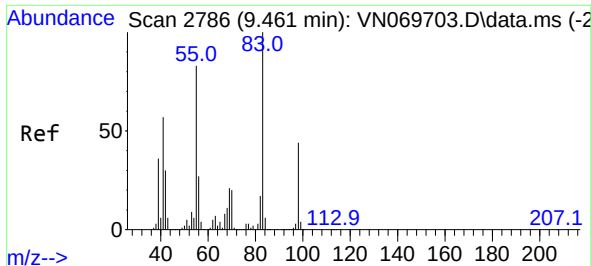
Ion Ratio Lower Upper

113 100

111 103.2 82.2 123.2

192 18.9 16.9 25.3





#39

Methylcyclohexane

Concen: 22.18 ug/l

RT: 9.459 min Scan# 21

Delta R.T. -0.003 min

Lab File: VN070223.D

Acq: 18 Dec 2021 19:26

Instrument :

MSVOA_N

ClientSampleId :

DA-14-4.5

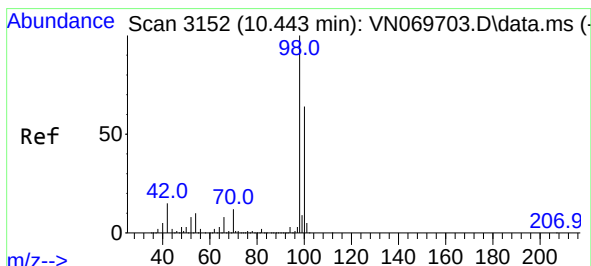
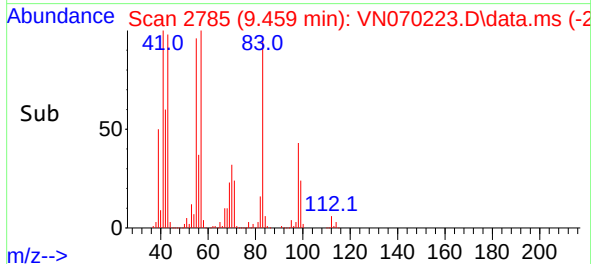
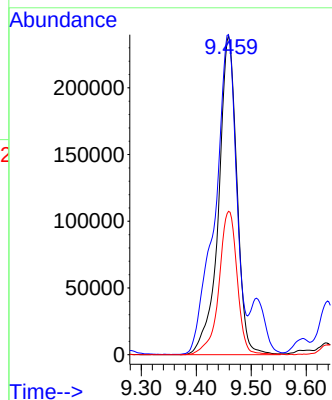
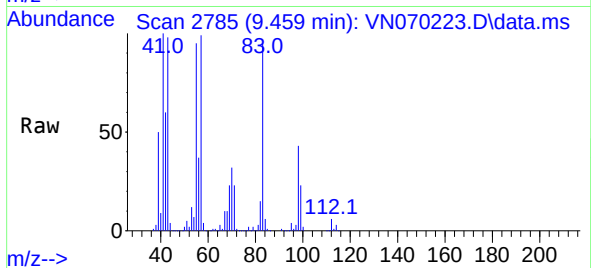
Tgt Ion: 83 Resp: 554173

Ion Ratio Lower Upper

83 100

55 100.2 58.1 87.1#

98 44.9 38.4 57.6



#50

Toluene-d8

Concen: 54.65 ug/l

RT: 10.440 min Scan# 3151

Delta R.T. -0.003 min

Lab File: VN070223.D

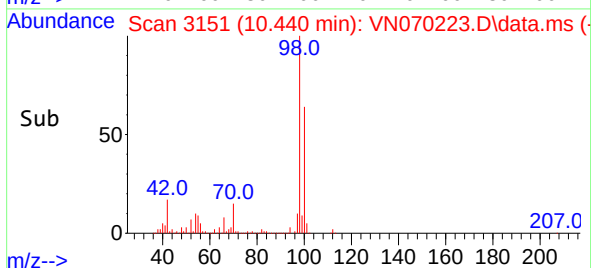
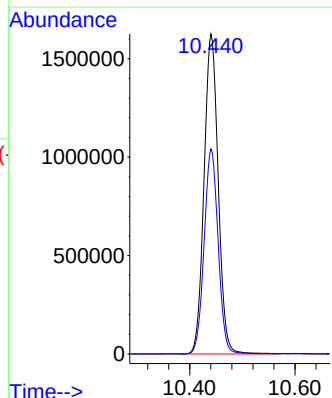
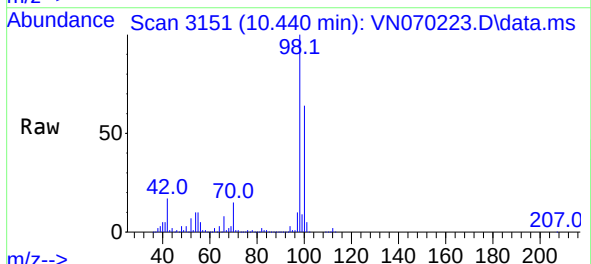
Acq: 18 Dec 2021 19:26

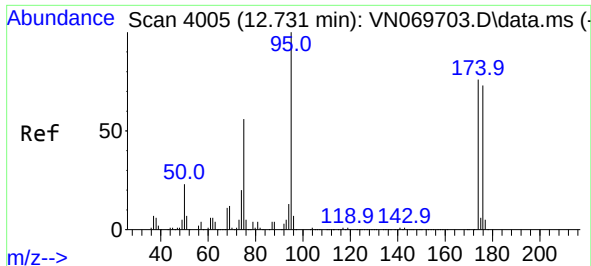
Tgt Ion: 98 Resp: 3032888

Ion Ratio Lower Upper

98 100

100 63.5 50.4 75.6

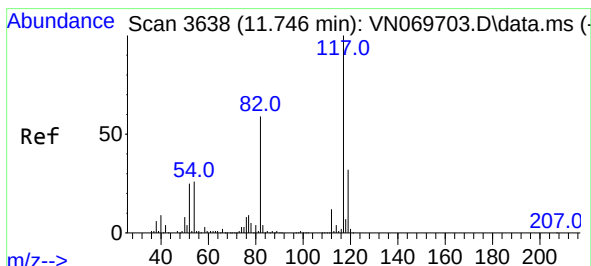
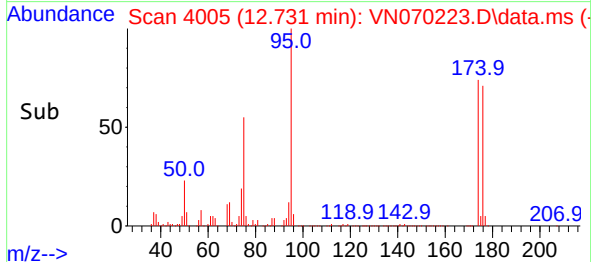
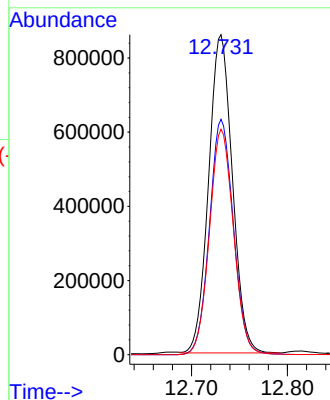
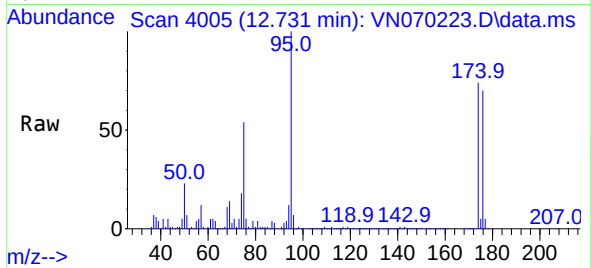




#62
4-Bromofluorobenzene
Concen: 73.50 ug/l
RT: 12.731 min Scan# 4005
Delta R.T. -0.000 min
Lab File: VN070223.D
Acq: 18 Dec 2021 19:26

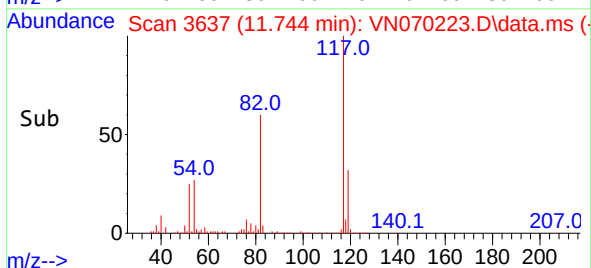
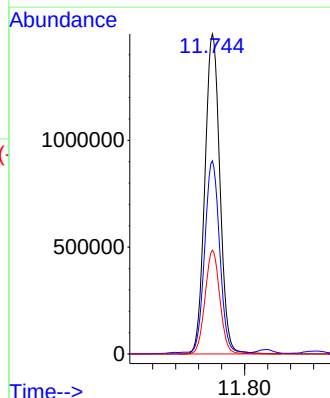
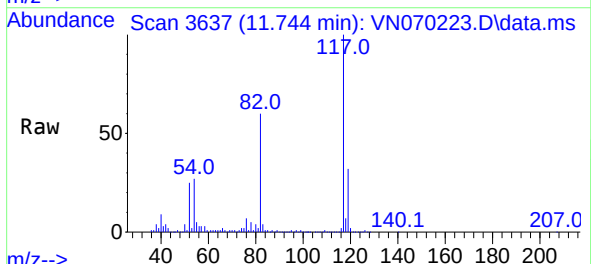
Instrument :
MSVOA_N
ClientSampleId :
DA-14-4.5

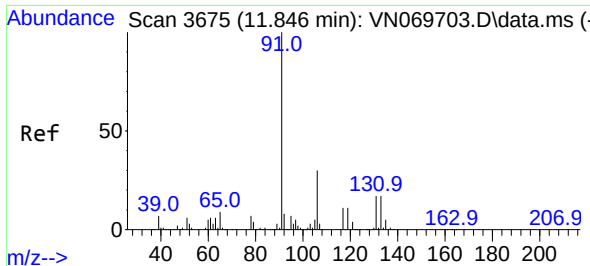
Tgt Ion: 95 Resp: 1477818
Ion Ratio Lower Upper
95 100
174 74.5 0.0 187.2
176 71.5 0.0 181.4



#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.744 min Scan# 3637
Delta R.T. -0.002 min
Lab File: VN070223.D
Acq: 18 Dec 2021 19:26

Tgt Ion: 117 Resp: 2715331
Ion Ratio Lower Upper
117 100
82 60.1 42.4 63.6
119 32.4 25.4 38.2

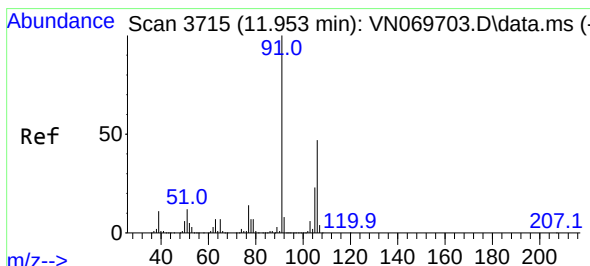
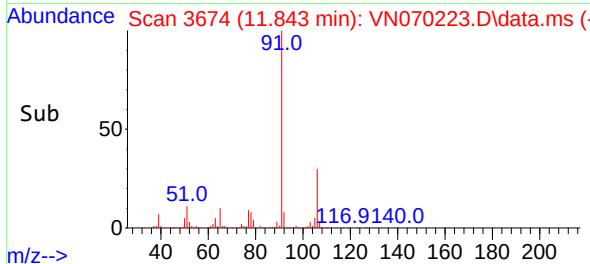
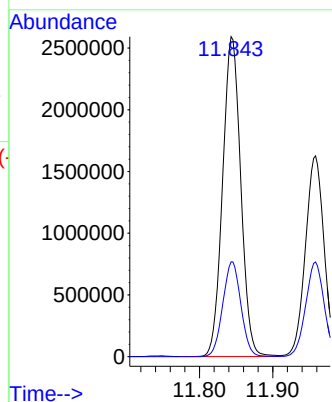
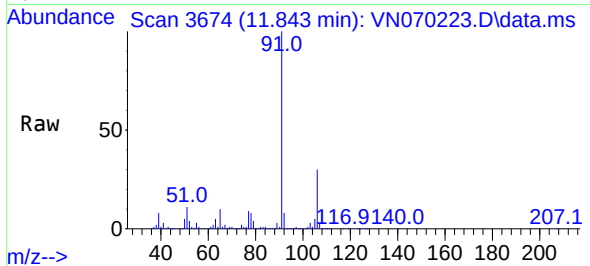




#67
Ethyl Benzene
Concen: 44.52 ug/l
RT: 11.843 min Scan# 3075
Delta R.T. -0.003 min
Lab File: VN070223.D
Acq: 18 Dec 2021 19:26

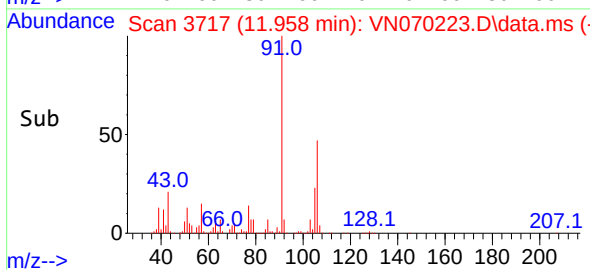
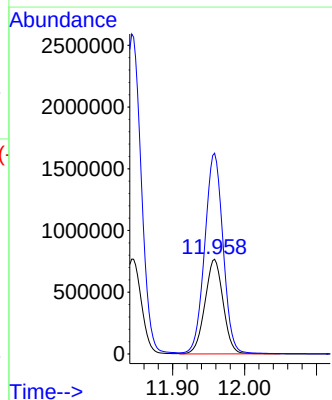
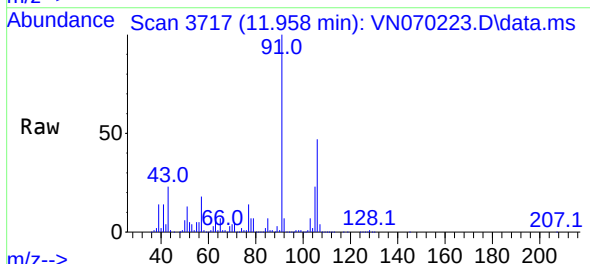
Instrument :
MSVOA_N
ClientSampleId :
DA-14-4.5

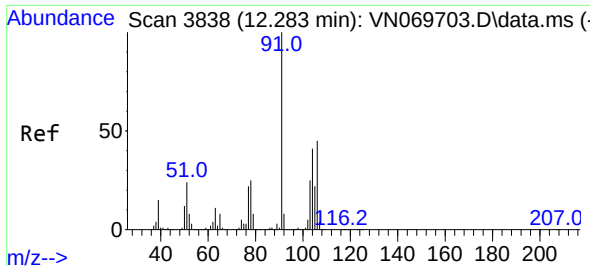
Tgt Ion: 91 Resp: 4454828
Ion Ratio Lower Upper
91 100
106 29.7 25.7 38.5



#68
m/p-Xylenes
Concen: 37.06 ug/l
RT: 11.958 min Scan# 3717
Delta R.T. 0.005 min
Lab File: VN070223.D
Acq: 18 Dec 2021 19:26

Tgt Ion: 106 Resp: 1350052
Ion Ratio Lower Upper
106 100
91 213.6 160.6 240.8

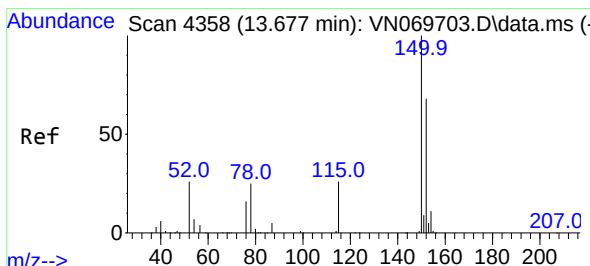
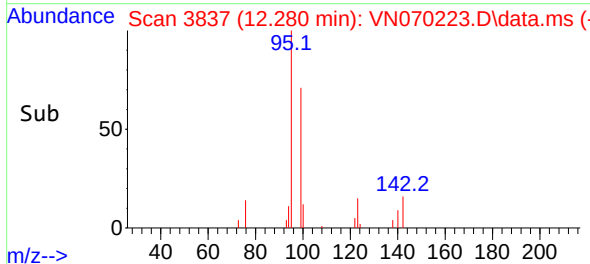
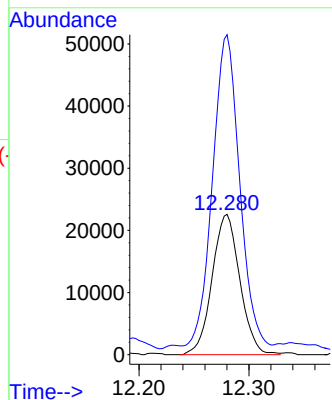
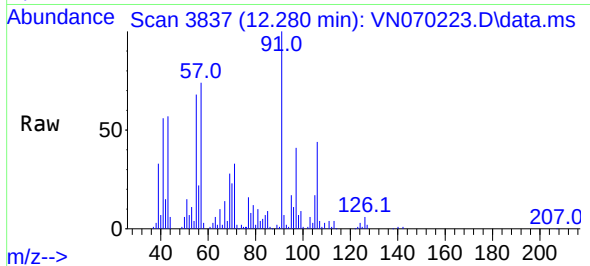




#69
o-Xylene
Concen: 1.08 ug/l
RT: 12.280 min Scan# 3838
Delta R.T. -0.003 min
Lab File: VN070223.D
Acq: 18 Dec 2021 19:26

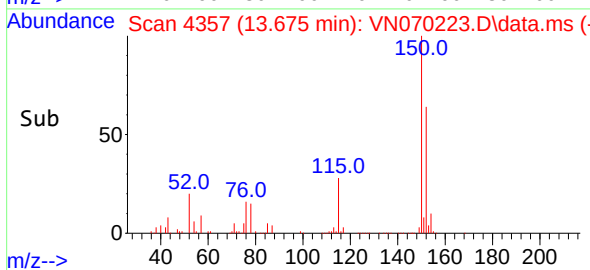
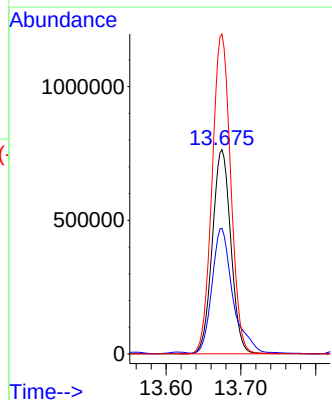
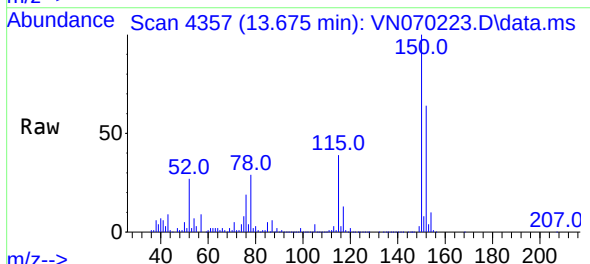
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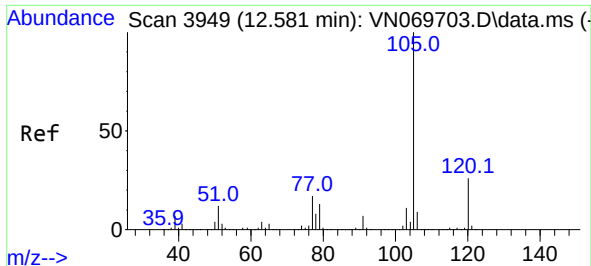
Tgt Ion:106 Resp: 39544
Ion Ratio Lower Upper
106 100
91 213.9 105.8 317.3



#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 13.675 min Scan# 4357
Delta R.T. -0.003 min
Lab File: VN070223.D
Acq: 18 Dec 2021 19:26

Tgt Ion:152 Resp: 1312950
Ion Ratio Lower Upper
152 100
115 70.3 27.5 82.5
150 157.5 0.0 344.4

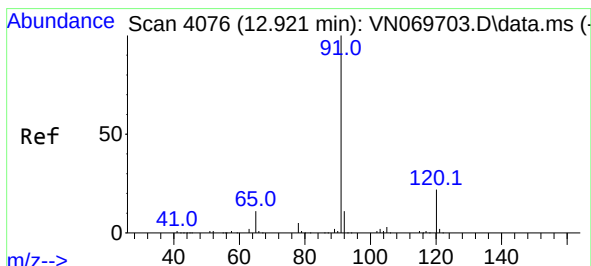
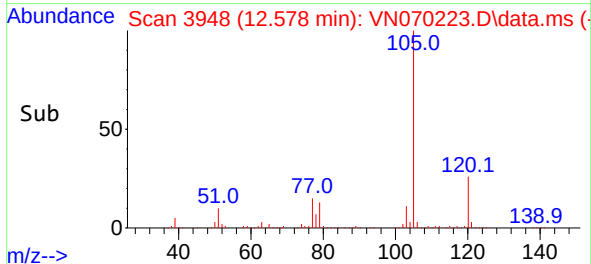
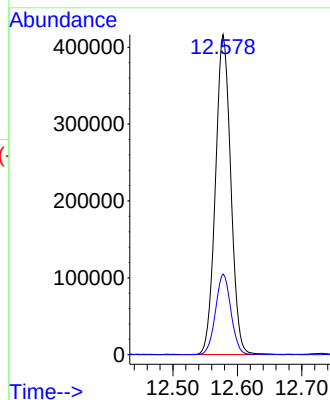
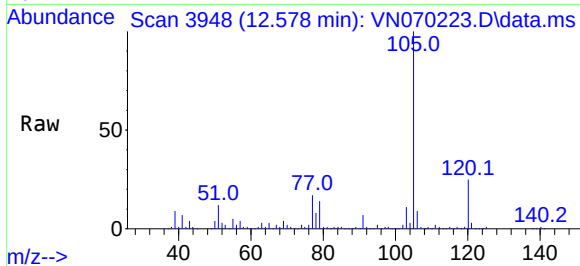




#73
Isopropylbenzene
Concen: 5.89 ug/l
RT: 12.578 min Scan# 3948
Delta R.T. -0.003 min
Lab File: VN070223.D
Acq: 18 Dec 2021 19:26

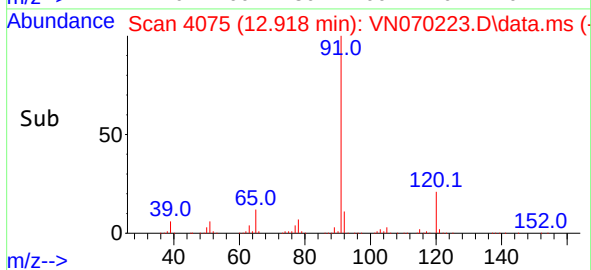
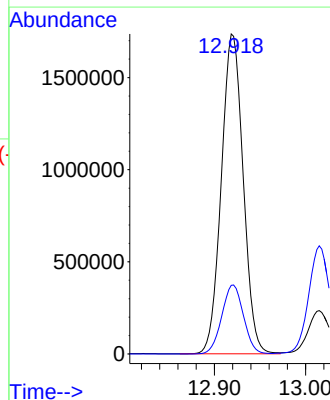
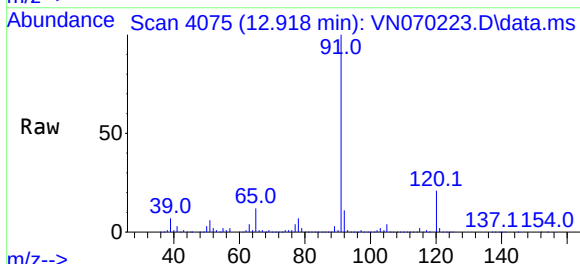
Instrument :
MSVOA_N
ClientSampleId :
DA-14-4.5

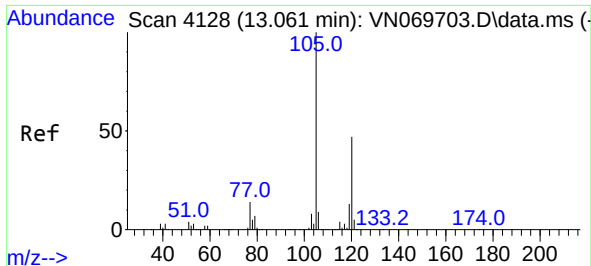
Tgt Ion:105 Resp: 687547
Ion Ratio Lower Upper
105 100
120 25.4 13.4 40.1



#78
n-propylbenzene
Concen: 22.22 ug/l
RT: 12.918 min Scan# 4075
Delta R.T. -0.003 min
Lab File: VN070223.D
Acq: 18 Dec 2021 19:26

Tgt Ion: 91 Resp: 2887822
Ion Ratio Lower Upper
91 100
120 21.5 11.9 35.9

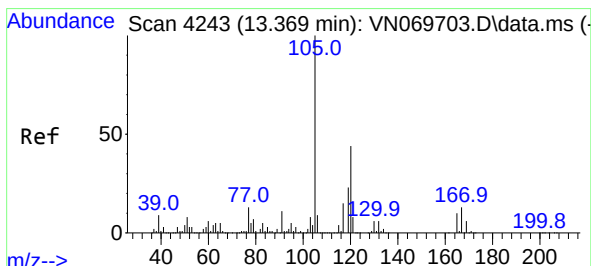
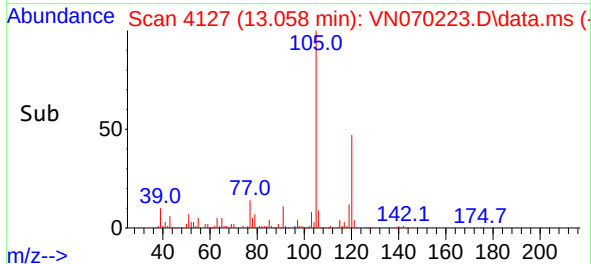
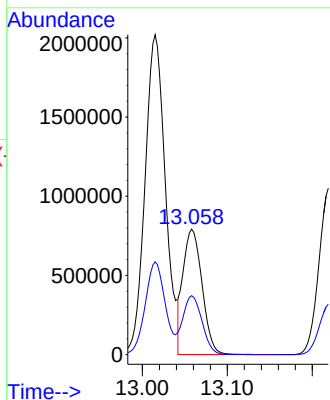
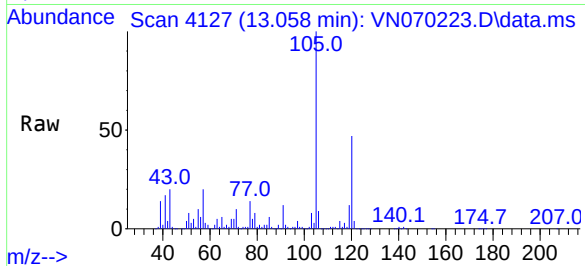




#80
1,3,5-Trimethylbenzene
Concen: 13.07 ug/l
RT: 13.058 min Scan# 4128
Delta R.T. -0.003 min
Lab File: VN070223.D
Acq: 18 Dec 2021 19:26

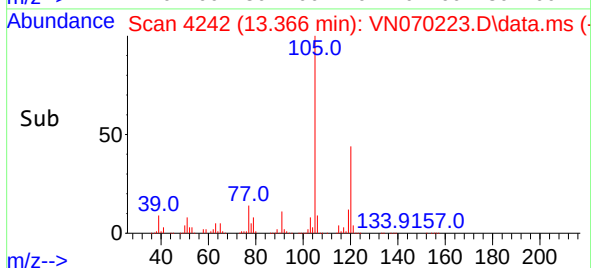
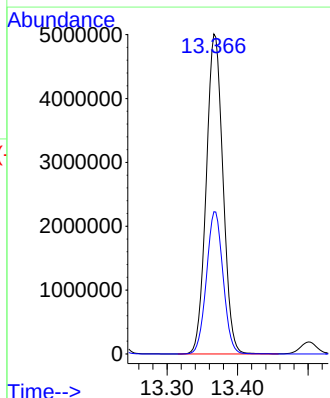
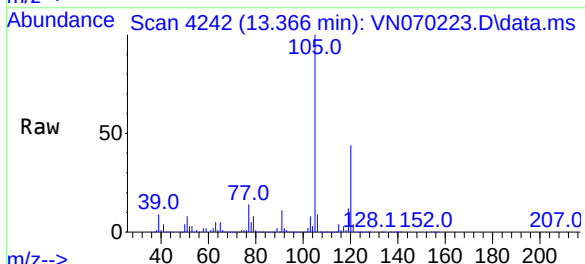
Instrument :
MSVOA_N
ClientSampleId :
DA-14-4.5

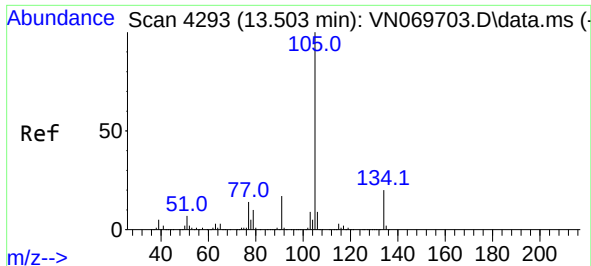
Tgt Ion:105 Resp: 1228712
Ion Ratio Lower Upper
105 100
120 48.4 24.6 73.6



#84
1,2,4-Trimethylbenzene
Concen: 91.95 ug/l
RT: 13.366 min Scan# 4242
Delta R.T. -0.003 min
Lab File: VN070223.D
Acq: 18 Dec 2021 19:26

Tgt Ion:105 Resp: 8233125
Ion Ratio Lower Upper
105 100
120 44.3 22.8 68.4

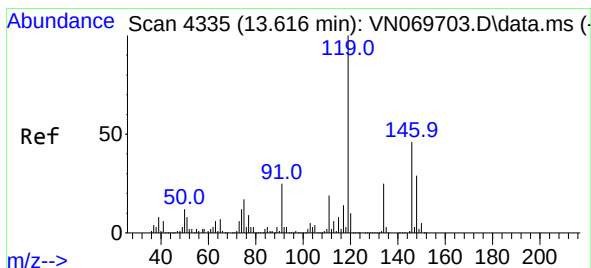
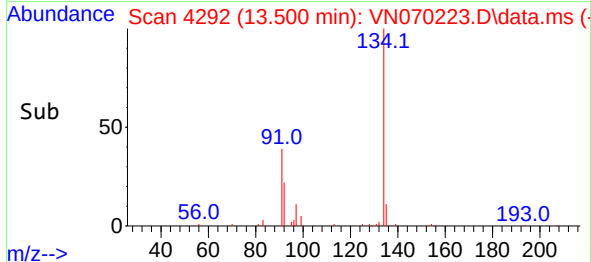
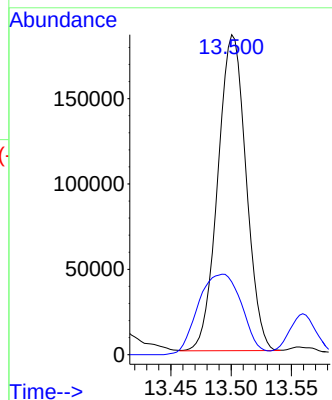
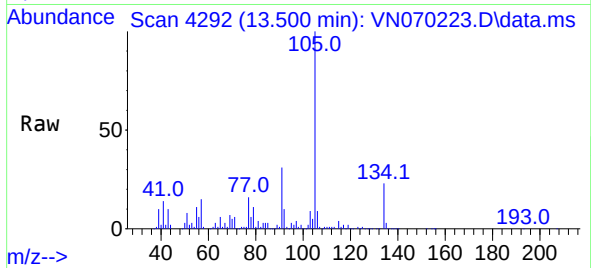




#85
sec-Butylbenzene
Concen: 2.67 ug/l
RT: 13.500 min Scan# 41
Delta R.T. -0.003 min
Lab File: VN070223.D
Acq: 18 Dec 2021 19:26

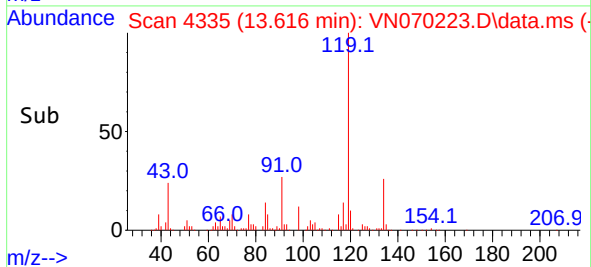
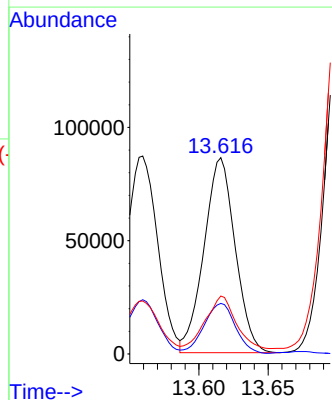
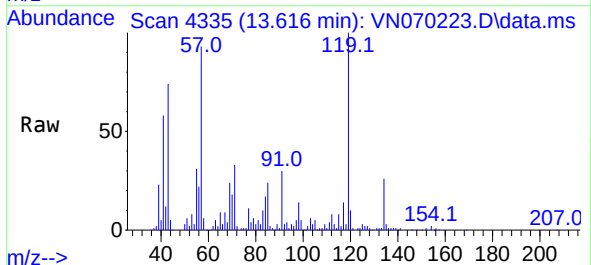
Instrument :
MSVOA_N
ClientSampleId :
DA-14-4.5

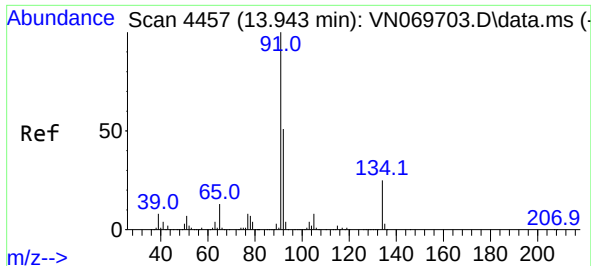
Tgt Ion:105 Resp: 301984
Ion Ratio Lower Upper
105 100
134 39.4 10.4 31.1#



#86
p-Isopropyltoluene
Concen: 1.53 ug/l
RT: 13.616 min Scan# 4335
Delta R.T. 0.000 min
Lab File: VN070223.D
Acq: 18 Dec 2021 19:26

Tgt Ion:119 Resp: 134715
Ion Ratio Lower Upper
119 100
134 25.7 13.6 40.7
91 25.5 11.4 34.1

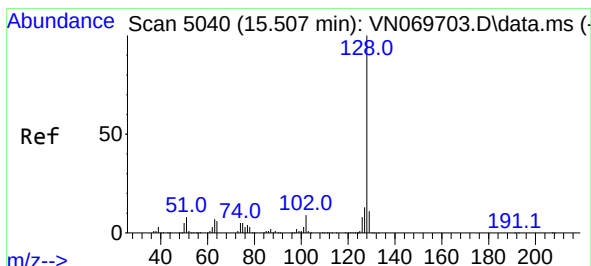
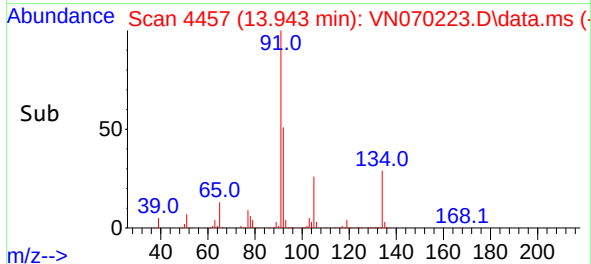
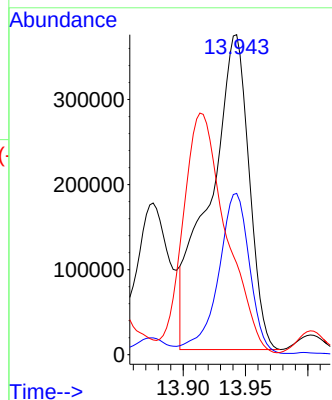
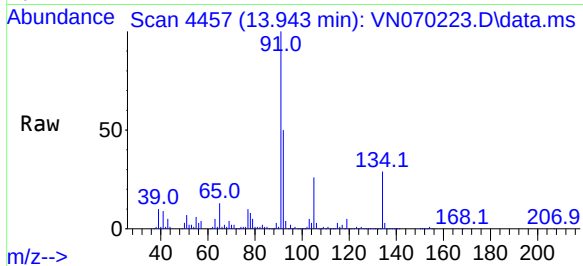




#89
n-Butylbenzene
Concen: 11.37 ug/l
RT: 13.943 min Scan# 4457
Delta R.T. 0.000 min
Lab File: VN070223.D
Acq: 18 Dec 2021 19:26

Instrument :
MSVOA_N
ClientSampleId :
DA-14-4.5

Tgt Ion: 91 Resp: 813913
Ion Ratio Lower Upper
91 100
92 40.8 25.4 76.0
134 0.0 13.6 40.8#



#95
Naphthalene
Concen: 26.16 ug/l
RT: 15.504 min Scan# 5039
Delta R.T. -0.003 min
Lab File: VN070223.D
Acq: 18 Dec 2021 19:26

Tgt Ion:128 Resp: 1545896
Ion Ratio Lower Upper
128 100
127 13.2 10.5 15.7
129 10.9 8.7 13.1

